

vembu

Backup & Disaster Recovery

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15+ Years



100+ Countries



60,000+ Businesses

Vembu Technology Partner



Vembu BDR Suite

Product Overview

Vembu BDR Suite

Vembu BDR Suite is a portfolio of products designed to backup multiple environments from virtual to physical to cloud while addressing diverse and advanced use cases



**Backup & Replication for
VMware**



**Backup & Replication for
Hyper-V**



**Backup for
Microsoft Windows**



Backup for AWS



**Backup for
Microsoft 365**



**Backup for
Google Workspace**



**Backup for
File Servers**



**Backup for
Endpoints**



**Backup for
Applications**

Vembu Backup & Replication for Hyper-V

Backup & Replication for Hyper-V

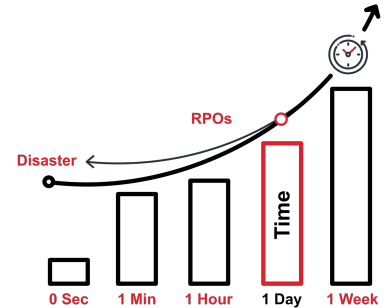
Vembu Backup & Replication for Hyper-V is an effective solution for data protection gaps that businesses experience every day while protecting their virtual machines running on their Hyper-V environments.

- Image backup for Hyper-V VMs at Host and Cluster level
- Resilient Change Tracking (RCT) based incremental backups
- Supports Hyper-V Cluster, CSV, S2D and SMB share



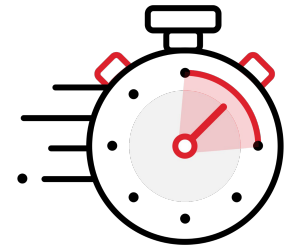
Recovery Point Objective (RPO)

- The RPO for your business can be set by the maximum amount of data that you can afford to lose if disaster strikes
- With Vembu, you can also backup as frequently as every 15 minutes
- You can also retain even years worth of data
- Near Continuous Data Protection ensures that you don't lose even minutes' worth of data



Recovery Time Objective (RTO)

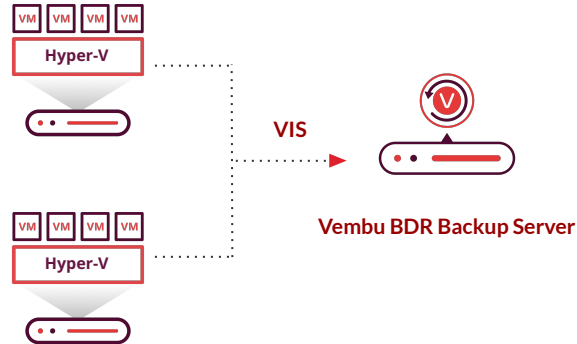
- The time taken for a business to recover from the occurrence of a disaster is RTO
- Downtime is not something every business can afford
- With Vembu, you can recover your virtual machines within couple of minutes
- Vembu adheres to the industries' best RTO and RPO of <15 min



Vembu BDR Suite Deployment

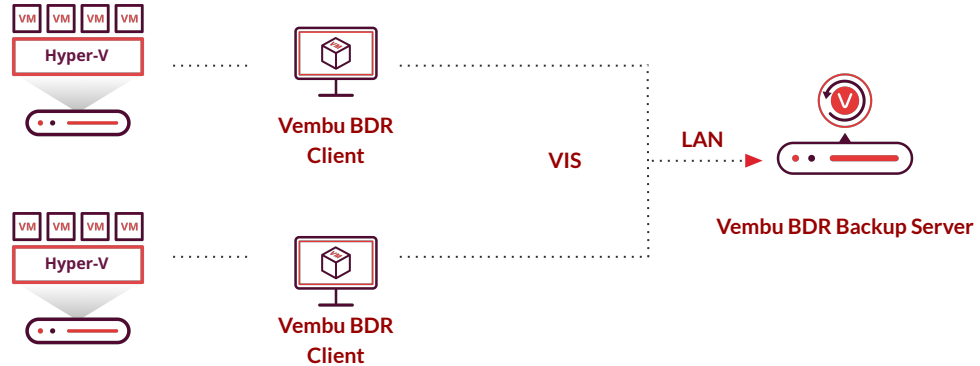
On-premise Deployment - Simple

- Ideal setup for businesses looking to manage backups within their premises
- Setup BDR Backup Server in your local environment and backup via LAN
- Configure and manage backup jobs from BDR Backup Server GUI
- Using Vembu Integration Service (VIS) backup VMs to the storage repositories attached to the backup server.



On-premise Deployment - Distributed

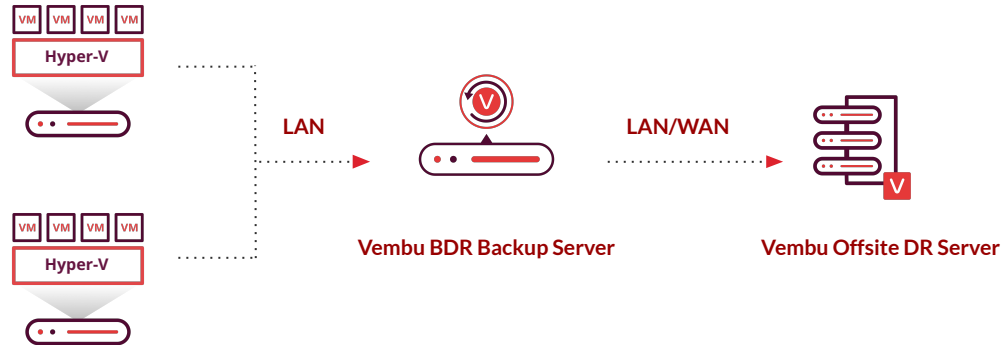
- This deployment is recommended for large environments
- Setup BDR Backup Server in your local environment and backup via LAN
- Vembu BDR Client can be used to configure and manage backup jobs
- Backup VMs to the storage repositories attached to the backup server



Hybrid Deployment

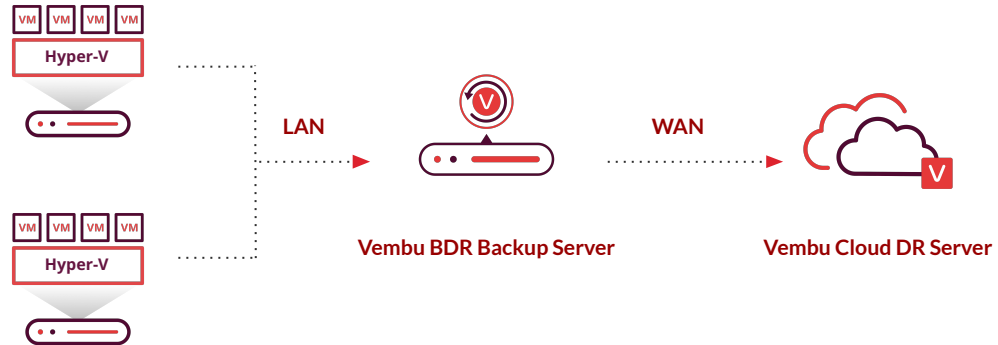
Scenario 1 (Offsite DR)

- This deployment is recommended for large environments
- Setup BDR Backup Server in your local environment and backup via LAN
- Send a copy of backup data to your secondary datacenter via LAN/WAN
- Ensure a disaster-resistant environment by installing the Vembu Offsite DR Server in your secondary datacenter



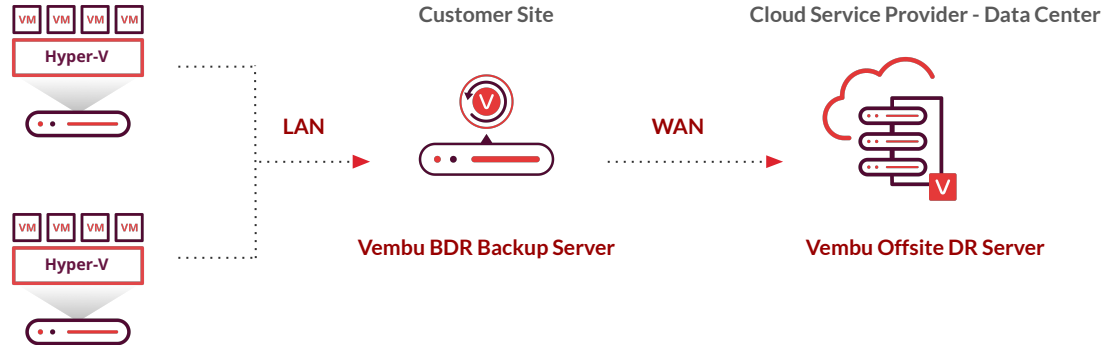
Hybrid Deployment Scenario 2 (Cloud DR)

- This deployment is recommended for small and medium environments
- Setup BDR Backup Server in your local environment and backup via LAN
- Send a copy of backup data to Vembu Cloud via WAN connection
- Ensure a disaster-resistant environment by signing up for Vembu Cloud DR



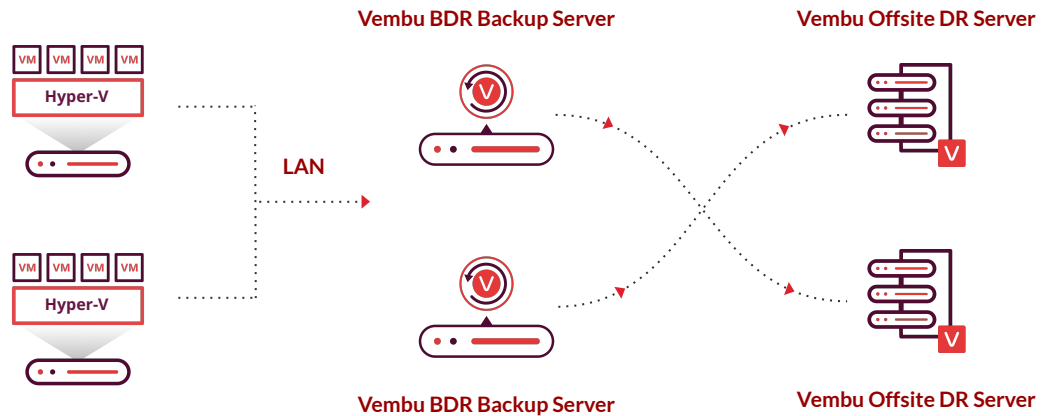
Offsite (or) Remote Deployment (CSP)

- Cloud Service Providers can host Vembu Offsite DR Server in their data center
- They can have a copy of backup data from the Vembu BDR Backup Servers to their data center over WAN



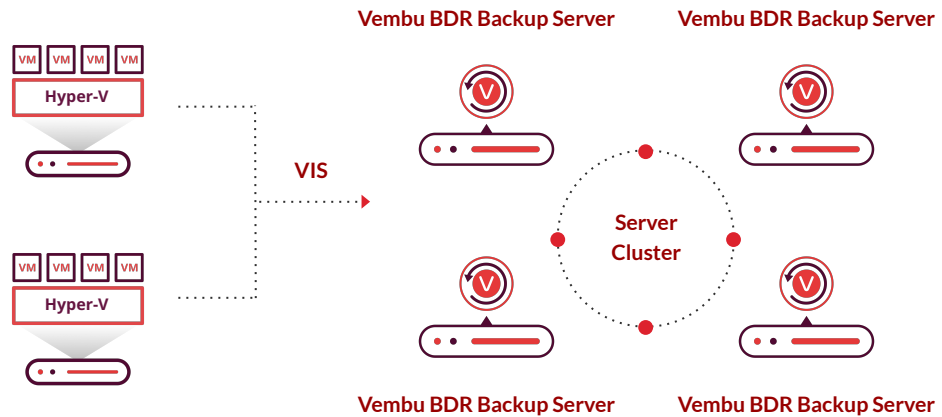
Remote office Branch office

- Setup Vembu BDR Backup Server and Vembu Offsite DR Server in remote office as well as branch office
- Sync backup data between both the locations



Backup Server Clustering

- You can easily scale up the backup server when backup load increases
- Backup requests will be equally shared between each backup server



Vembu BDR Suite

Key features

Key Backup & Replication Features of Hyper-V Backup



Multi-host Backup

Create a backup job with multiple-hosts and configure to run parallel thus improving backup performance.



Parallel VM Processing

Vembu now supports parallel backup of multiple VMs/disks in a single host



Failover & Undo Failover

Vembu provides entire site-level protection by replicating business-critical VMs to a DR site and failover VMs at times of disaster also undo the same when things are normal, without changes.



Synthetic Full Backup

Synthetic full backups are created in the backup repository by merging the full backup and all subsequent incremental backups in the backup repository itself



Native Tape Backup Support

Archive your backup data on tape drives for long-term retention.



Backup Job Template

The frequently used backup configuration settings or as per some predefined backup policies, you can utilize these templates to create new backup jobs quickly.

Key Recovery Features of Hyper-V Backup



RPO and RTO < 15 mins

Minimize your downtime to less than 15 mins with quick VM recovery, disk mounts & granularly recover file/apps.



GFS Retention

GFS retention helps to create restore points on a weekly, monthly, quarterly, and yearly basis.



Multiple Recovery Options

Multiple restore options helps to restore the backup data granularly, perform cross-platform migration, instantly boot as VM, Download in various file-formats and also perform Bare-Metal Recovery



Instant Boot Live Migration

A permanent migration process where the virtual/ physical machine backup that is instantly booted as VM can be migrated as an independent VM to a targeted VMware Host.



Applications item-level Recovery

Granularly restore Microsoft applications at item level directly from the BDR Backup Server web GUI



Reliable Backups

Automated 3-tier backup verification - boot, mount & data integrity tests to ensure recoverability data.

Other Key Features of Hyper-V Backup



Efficient Storage Management

Vembu BDR Backup Server utilizes VembuHIVE™ file system to effectively manage storage repositories..



Compression

Built-in compression and deduplication to reduce the storage space with the ability to scale as & when required.



Backup Level encryption

Use system-generated passwords or add your own, to encrypt the backup data using AES-256 bit encryption algorithm.



Drive Rotation

It helps you to use multiple external hard drives to store the backup data and swap them on a regular basis.



Where it left off

Even if there is a network failure or other interruptions during backup, the backup will automatically restart from where it left off during the previous schedule



Reporting

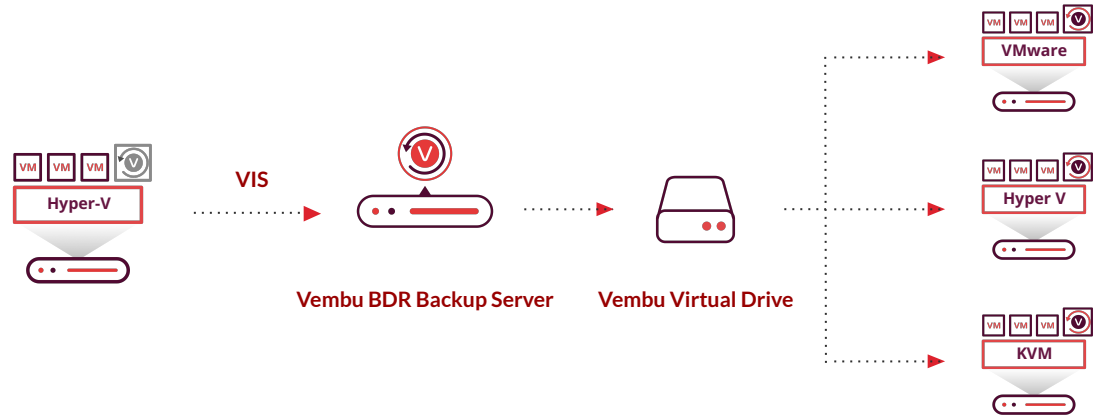
Users can manage all their backups with Backup Status Reports, VM Status Reports, Integrity Report and Restore Report

Vembu BDR Suite

Disaster Recovery Scenarios

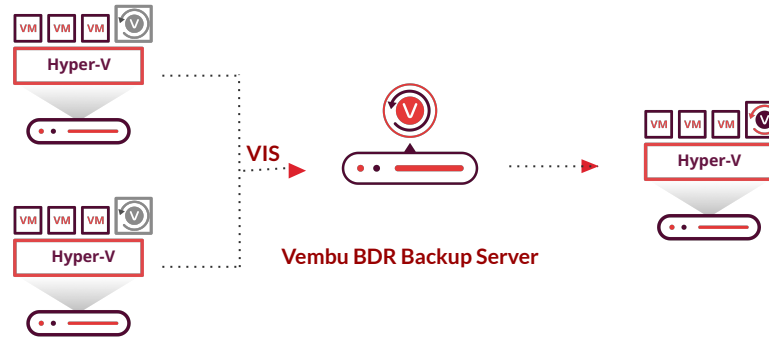
Instant Boot VM Recovery

- Instantly boot the backed up data as a ready state VM on VMware/ Hyper-V/ KVM hypervisors by mounting the data through Vembu Virtual Drive



Full VM Recovery

- Restore the backed up VM permanently to the same or different Hyper-V host



File Level Recovery

- Restore files/folders from the backed up VM instantly without having to restore the entire backed up VM



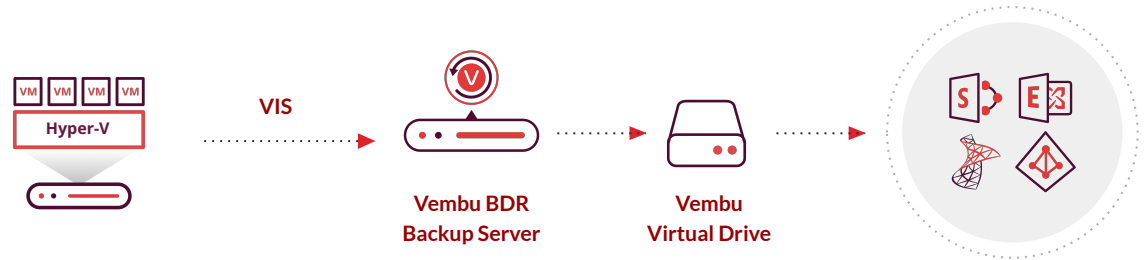
Hyper-V Replication Failover & Undo-Failover

- Instantly boot the replicated VM from the target Hyper-V host when your source VM is down.
- Failed over VM can later be brought back to its previous state by performing Undo-Failover.



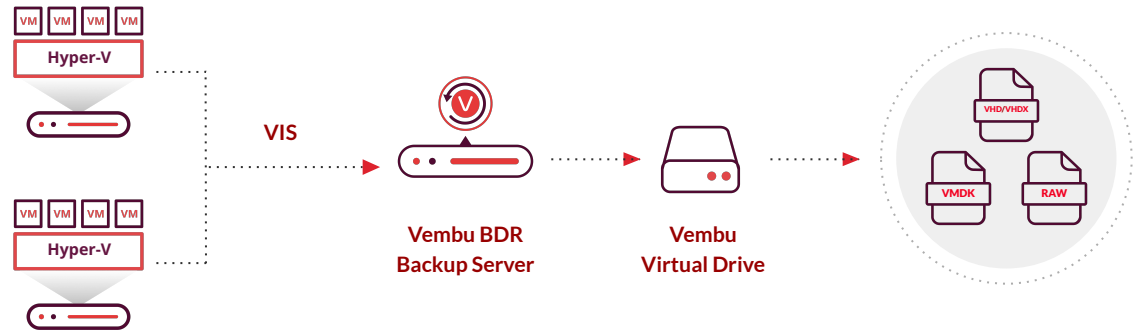
Application Item Level Recovery

- Vembu helps you to restore Microsoft applications i.e. MS Exchange mails, MS SQL database/tables, MS SharePoint documents and MS AD Users/Roles granularly



Vembu Virtual Drive

- Vembu Virtual Drive in Vembu BDR Backup Server stores the backup data in neutral file formats i.e. IMG, VHD, VHDX, and VMDK; with the help of the VembuHIVE™ file system
- For every incremental schedule, full virtual hard disk files will be created without using any additional storage





Vembu Backup & Replication for Hyper-V

Licensing Model

Licensing

Subscription

- Vembu offers licensing options at monthly & yearly subscriptions
 - 24/7 support and major/minor upgrades included
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Perpetual

- One time purchase with upgrades and support free for one year
- After 1 year AMC of 20% of license fee to be paid for continued support & updates

Available Editions

- Free
- Standard
- Enterprise

Essentials Package

- Essentials includes the same functionality as that of respective paid editions and is available only for businesses (SMBs & Midrange) with up to 10 CPU-Sockets or 100 VMs.

Backup & Replication for Hyper-V

	Standard Essentials <i>Upto 10 sockets or 100 VMsv</i>	Standard	Enterprise Essentials <i>Upto 10 sockets or 100 VMs</i>	Enterprise
Subscription License: <i>Includes product updates, upgrades and standard technical support during the subscription period</i>				
CPU Socket level pricing	\$108 <i>per cpu-socket/annum</i>	\$216 <i>per cpu-socket/annum</i>	\$180 <i>per cpu-socket/annum</i>	\$360 <i>per cpu-socket/annum</i>
VM level pricing	\$18 <i>per vm/annum</i>	\$36 <i>per vm/annum</i>	\$30 <i>per vm/annum</i>	\$60 <i>per vm/annum</i>
Perpetual License: <i>Free maintenance & support for 1st year</i>				
CPU Socket level pricing	\$270 <i>per cpu-socket</i>	\$540 <i>per cpu-socket</i>	\$450 <i>per cpu-socket</i>	\$900 <i>per cpu-socket</i>
VM level pricing	\$45 <i>per vm</i>	\$90 <i>per vm</i>	\$75 <i>per vm</i>	\$150 <i>per vm</i>

Thank You

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